

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau



## 

(43) International Publication Date 31 March 2005 (31.03.2005)

**PCT** 

(10) International Publication Number WO 2005/028862 A1

(51) International Patent Classification7:

F03D 11/00

(21) International Application Number:

PCT/EP2003/010470

(22) International Filing Date:

19 September 2003 (19.09.2003)

(25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): GEN-ERAL ELECTRIC COMPANY [US/US]; 1 River Road, Schenectady, NY 12345 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BECKER, Markus [DE/DE]; Waldeyerstr. 61, 48149 Muenster (DE). SCHELLINGS, Vincent [NL/NL]; Park de Kotten 160, NL-7522 EH Enschede (NL). GAUCHEL, Peter [DE/DE]; Schillerstr. 33a, 48143 Muenster (DE). DELU-CIS, Nicolas [FR/DE]; Emdener Str. 30, 48155 Muenster

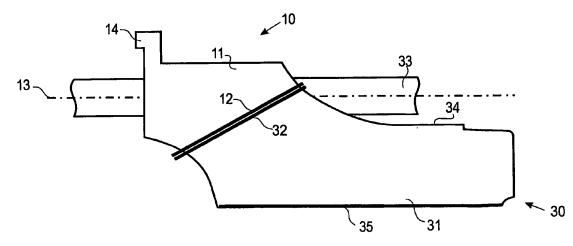
- (74) Agents: ZIMMERMANN, Gerd et al.; Zimmermann & Partner, P.O. Box 330 920, 80069 Munich (DE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BEARING HOUSING



(57) Abstract: The present invention provides a bearing housing (10) for accommodating a rotor shaft (33) of a wind turbine. The bearing housing includes a flange (12) for connecting the bearing housing to a main frame (30) of the wind turbine. The flange having a connecting surface (51, 52) to be attached to the main frame. Thereby, at least parts of the connecting surface, when seen from the top of the bearing housing, would be located below the rotor shaft.

